

**FLYBACK TRANSFORMER WIRE ATTACH METHOD  
TO PRINTED CIRCUIT BOARD**

Abstract

5           A method of forming a surface mount transformer. The method comprises  
winding insulated wire around a magnetic core to form at least one secondary  
transformer coil, winding insulated wire around the magnetic core to form at least one  
primary transformer coil, attaching wire ends of the at least one primary coil to at least  
first and second vias of a printed circuit board (PCB), attaching wire ends of the at  
10   least one secondary coil to at least third and fourth vias of the PCB, affixing the coils  
and the magnetic core to the first side of the PCB, and attaching the coil wire ends  
flush to a surface of the vias on the second side of the PCB.

"Express Mail" mailing label number: EV332571206US

Date of Deposit: July 21, 2003

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